

BASF Elastollan® S74D Polyester Type Polyurethane Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

Material Notes:

Recommended for injection molding. Elastollan S series of products are polyester-based thermoplastic polyurethanes that exhibit good hydrolytic stability. They also exhibit good oil, fuel and solvent resistance. These products can be injection and blow molded and extruded. As with all TPU products this grade must be dried prior to processing. Property values below are typical values based on test samples cured 20 hours at 100°C before testing. Information provided by BASF Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Elastollan-S74D-Polyester-Type-Polyurethane-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	74	74	ASTM D2240
Tensile Strength, Ultimate	41.0 MPa	5950 psi	ASTM D412
Tensile Strength, Yield	36.0 MPa @Strain 100 %	5220 psi @Strain 100 %	ASTM D-412
	39.0 MPa @Strain 300 %	5660 psi @Strain 300 %	ASTM D-412
Elongation at Break	330 %	330 %	ASTM D412
Tear Strength	285 kN/m	1630 pli	ASTM D624
Taber Abrasion, mg/1000 Cycles	50	50	H-18 wheel; ASTM D-1044.
Tensile Set	155 %	155 %	at break; ASTM D-412

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